IN THE SPECIFICATION

Please replace paragraph [0034] with the following new paragraph 0034:

[0034]  One might undertake to determine the resonance points using a variety of techniques. For example, an algorithmic search could be used. Another possibility is to use a search that sweeps from a low control bandwidth to a higher control bandwidth. Still another technique is to implement a search process that begins at a maximum value and ramps down. That is, control node 12 searches for the present resonance points of the control bandwidth by beginning at a maximum value and then decreases the bandwidth until an inflection point in any of the performance metrics (e.g., throughput, average fetch time or packet loss) is observed, thus indicating that a resonance point has been reached. A preferred search process may look for several resonance points over a selected range of control bandwidth and then choose an operating value for the control bandwidth that corresponds to a best observed resonance point. Other methods of estimating the resonance point are disclosed in commonly-owned U.S. Patent Application No. 09/846,450, entitled "METHOD FOR DYNAMICAL IDENTIFICATION OF NETWORK CONGESTION CHARACTERISTICS", filed April 30, 2001~~, Attorney Docket No. 003997.P008;~~, which was issued July 4, 2006 as U.S. Patent No. 7072297, and U.S. Patent Application No. 09/854,321, entitled "METHOD FOR DETERMINING NETWORK CONGESTION AND LINK CAPACITIES", filed May 11, 2001, which was issued July 24, 2007 as U.S. Patent No. 7248564, ~~Attorney Docket No. 003997.P010,~~ each of which are incorporated herein by reference.